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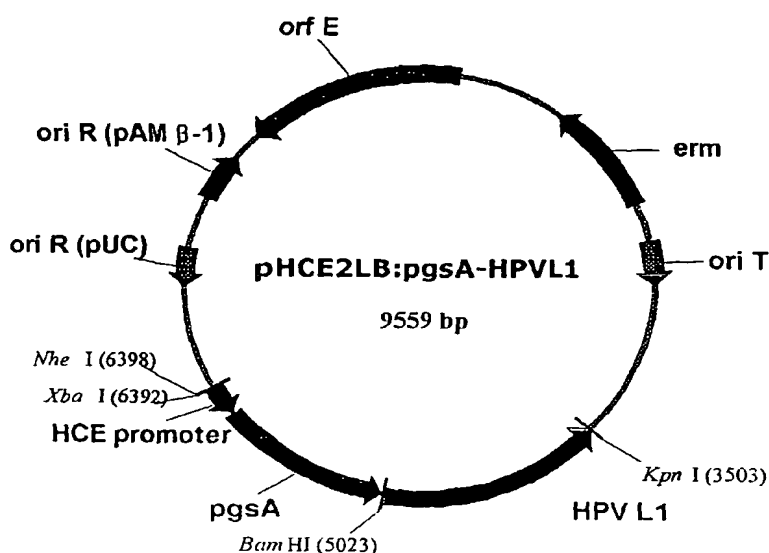
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(54) Title: VECTOR FOR ANTI-HPV VACCINE AND TRANSFORMED MICROORGANISM BY THE VECTOR



(57) Abstract: The current invention relates to expression vectors that can efficiently produce virion capsid protein, tumor-associated protein of human papillomavirus on a microbial surface and bacterial strains harboring such surface display vectors and the use of the bacterial strains or its extract, purified products as complex vaccines. More particularly, the present invention relates to surface display vectors contains one or more than two genes selected among pgsB, pgsC and pgsA, encoding a poly- $\gamma$ -glutamic acid synthetase complex (pgsBCA) of a *Bacillus* sp. Strain and genes which encode virion capsid proteins, tumor-associated proteins of human papillomavirus, and method for preparing the same.

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